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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/781,497	02/17/2004	Sankar Jayaram	TR24-006	3108
21567	7590	09/11/2007		
WELLS ST. JOHN P.S. 601 W. FIRST AVENUE, SUITE 1300 SPOKANE, WA 99201			EXAMINER BAHTA, KIDEST	
			ART UNIT 2125	PAPER NUMBER
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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Office Action Summary

Application No.

10/781,497

Applicant(s)

JAYARAM ET AL.

Examiner

Kidest Bahta

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 11 June 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-42 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-42 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

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DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-13 and 18-23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kroszynski (Kroszynski, Uri I.; Palstroem, Bjarne; Trostman, Erik; Schlechtendahl, Ernst G.; "Geometric Data Transfer Between CAD Systems: Solid Models" 1989, IEEE Computer Graphics & Applications, Volume 9, Issue 5) in view of LaCourse (LaCourse, Don; "3Dmodelserver translates and heals models via the Web" February 2000, CADalyst, Volume 17, Number 2), further in view of Moseley (Moseley, Lonnie E.; Boodey, David M.; "Mastering Microsoft Office 97" 1997, second edition, Sybex).

Regarding claims 1, 9, 18, Kroszynski discloses the claims limitations 1-13 and 18-35 in page, 48, page 69, page 70, lines 1-6. However, Kroszynski, fails to disclose communication link and an interrupt interface provided by one of the at least one client and the server and operative to notify a user of the server's inability to automatically generate an accurate representation of a feature of the source geometric model in the target geometric model.

LaCourse discloses such limitations page 48, page 1, Fig. 2.

It would have been obvious to a person of ordinary skill in the art at the time of invention was made to modify the teachings of Kroszynski with the teachings of LaCourse in order to able to charge a fee for geometric translation service.

Kroszynski and LaCourse fail to teach an interrupt interface provided by one of the at least one client and the server and operative to notify a user of the presence of an error.

Moseley discloses an interrupt interface provided by one of the at least one client and the server and operative to notify a user of the presence of an error in page 153, Fig. 7-4.

It would have been obvious to a person of ordinary skill in the art at the time of invention was made to modify the teachings of Kroszynski and LaCourse with the teachings of Moseley in order to see an error in the context of the document, and control the advance to next error in the document.

Regarding claims 2-8, 10-13 and 19-23, Kroszynski discloses the claims limitations in page 69, lines 1-6 and page 70.

3. Claims 24-35 is rejected under 35 U.S.C. 103(a) as being unpatentable over Rappoport (U.S. Patent 6,828,963) in view of LaCourse (LaCourse, Don, "3Dmodelserver translates and heals models via the Web", February 2000, CADalyst, Volume 17, Number 2), further in view of Moseley (Moseley, Lonnie E.; Boodey, David M.; "Mastering Microsoft Office 97", 1997, second edition, Sybex).

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Regarding claims 24-35, Rappoport appears to teach storing the extracted source geometric data in a metafile format (column 5, lines 49 - 56; and column 12, lines 4 - 7); using a target CAD system, generating a target geometric model having target geometric data (column 11, lines 65 - 67; and column 12, all lines; and column 13, all lines; and column 14, all lines; and column 15, lines 1 - 50); detecting a discrepancy between the models (column 22, lines 60 - 67; column 23, lines 1 - 3);

Rappoport does not specifically teach providing a server and a client of a computational geometry system; a problem in generating the target geometric model while generating the target geometric model and an interrupt at the user interface responsive to detecting the at least one of a discrepancy between the models and a problem in generating the target geometric model.

LaCourse appears to teach providing a server and a client of a computational geometry system (page 48 and page 49). In addition, LaCourse appears to teach detecting a problem in generating the target geometric model while generating the target geometric model (page 48, figure 1 and Figure 2; and page 50, figure 3; and page 50).

Moseley appears to teach a user interface, and generating an interrupt at the user interface responsive to detecting a problem (page 153, and figure 7.4).

The motivation to use the art of LaCourse with the art of Rappoport is the ability to charge a fee for the geometric translation service (page 50, left-side column and middle column). The motivation to use the art of Moseley with the art of Rappoport is the benefit to the user to see an error in the context of the document, and control the

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advance to the next error in the document. Therefore, as discussed above, it would have been obvious to the ordinary artisan at the time of invention to use the art of LaCourse and Moseley with the art of Rappoport to produce the claimed invention.

4. Claims 14-17 and 36-42, are rejected under 35 U.S.C. 103(a) as being unpatentable over Etzion (US 6,985,835) in view of Moseley (Moseley, Lonnie E.; Boodey, David M.; "Mastering Microsoft Office 97", 1997, second edition, Sybex).

Regarding claims 14-17 and 36-42, Etzion discloses that Computer implemented techniques for edge correlation between design objects in computer-aided design systems are provided. According to one embodiment, a source edge is exported from a source CAD system into a data representation in a global scene. The global scene is imported into a target CAD system so that one or more candidate target edges can be identified. Once the candidate target edges are identified, they are exported into a data representation of a local scene. Through a series of techniques, which can include an edge overlap algorithm, a region containment algorithm, an edge containment algorithm, and an edge extension algorithm, non-overlapping candidate target edges are removed from the local scene until a correlated set of target edges is produced. Design features, such a round or chamfer operation, can then be performed in the target CAD system on the correlated set of edges, just as they are in the source CAD system see abstract.

Etzion fails to disclose to enable a user to interact with the staged translation and by selectively substituting from one of: 1) a group of all possible combinations of features, dimensions, sketches, parameters and definitions supported by the target

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CAD system, and 2) a group of all variations of features, dimensions, sketches, parameters and definitions supported by the target CAD system in an effort to resolve the discrepancy.

Moseley discloses that enable a user to interact with the staged translation (page 153 and Fig. 7.4); feature, by selectively substituting from one of: 1) a group of all possible combinations of features, dimensions, sketches, parameters and definitions supported by the target CAD system, and 2) a group of all variations of features, dimensions, sketches, parameters and definitions supported by the target CAD system in an effort to resolve the discrepancy (Fig. 12).

It would have been obvious to a person of ordinary skill in the art at the time of invention was made to modify the teachings of Etzion with the teachings of Moseley in order to see an error in the context of the document, and control the advance to the next error in the document.

Response to Arguments

5. Applicant's arguments with respect to claims 1-42 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed Kidest Bahta whose telephone number is 571-272-3737.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Leo Picard can be reached on 571-272-3749. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application information Retrieval IPAIRI system. Status information for published applications may be obtained from either Private PMR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAG system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Kidest Bahta



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